



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D4387-043
Job Sheet 169143



Part No: D4387-043

Job Qty: 8 ea

Part Name: Harness Assembly



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 12/4/17

Job Tracking No:

Due Date: 12/22/17

Created By: Linda Lacelle

Type: SOLD

Description:

Note: DWG REV D IPP rev A 11.05.25 new issue EC verified by:DD IPP REV:B 13.04.08 AS PER DWG REV.D DD
VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	8 pcs	12/22/17	12/22/17	0.00	0.00	Purchasing		CM 18/10/17
110	Packaging	8 pcs	12/22/17	12/22/17	0.00	0.00	Packaging2		CM 18/10/17
120	QC	8 pcs	12/22/17	12/22/17	0.00	0.00	QC5		38
150	Packaging	8 pcs	12/22/17	12/22/17	0.00	0.00	Packaging3-2	57567	IAN 9-89 2018
160	QC21-SA	8 Ea	12/22/17	12/22/17	0.00	0.00	QC21		FEB 0 2016

Part Op **100** - Issue P/O: 038566

P/N: 4173-2-031-2396

Descriptions: **110** - Ensure certificate of conformity is attached

DEC 05 2017

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
100-Purchasing	4173-2-031-2396	8	0	0	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

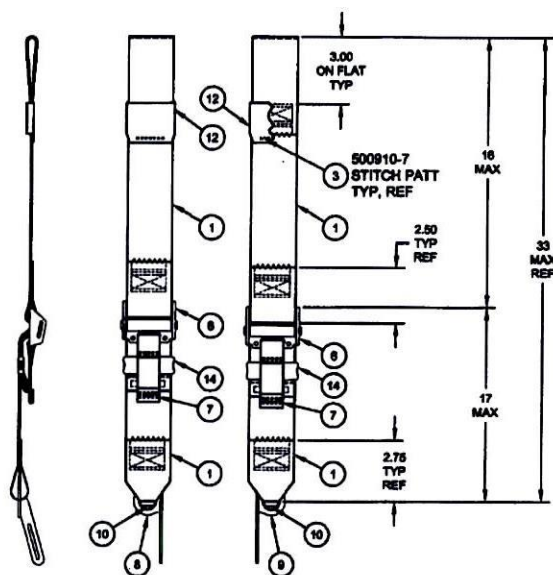


QA Closed: _____ Date: _____

Work Order update only ☐

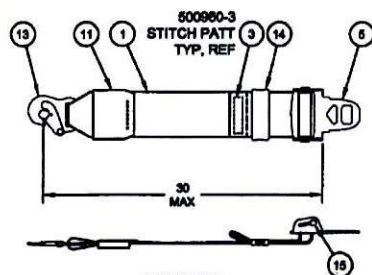
Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Cross tube ☐ Water Jet ☐		Engineering ☐ Quality ☐ Other ☐					
Date : _____ Step #: _____		Job No: 169143 Mfg Date: 01/27/18		Purchasing Operation: Revision: Change No:		MRB (QSI042) Approval					
Description Work Order L		PART NO: D4387-043 Original Serial #: S036147		Harness Assembly		Completed By					
		DART AEROSPACE S036147				Lead hand / Supervisor Approval Verification					
		Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 CANADA TEL: 1 613 632-5200 Email: sales@dartaero.com www.dartaerospace.com				QC / QA Coordinator Approval					
Root Cause		Pre.		Positioned Wrong		Outside Dimensions					
Environment	No Re-verification	Bending	Centre Not Concentric	Cracks	Crimp/Kink/Ripple/V	Cuffs	Crushing	Heat Treat	Wave/Twist in Tube	Marks/Chatter	OTHER :
Design	Operator	Offset/Setup	Supplier	Training	Use for Testing	Poor Information	Rushing	Product Improvement	Process Improvement	Manufacturing Process	Past Due
Doc/Data	Supplier	Training	Use for Testing	Poor Information	Rushing	Product Improvement	Process Improvement	Manufacturing Process	Past Due		
Equip/Tooling	Training	Use for Testing	Poor Information	Rushing	Product Improvement	Process Improvement	Manufacturing Process	Past Due			
Handling/Pre	Use for Testing	Poor Information	Rushing	Product Improvement	Process Improvement	Manufacturing Process	Past Due				
Material	Poor Information	Rushing	Product Improvement	Process Improvement	Manufacturing Process	Past Due					
Internal Transport	Rushing	Product Improvement	Process Improvement	Manufacturing Process	Past Due						
Tribal Knowledge	Product Improvement	Process Improvement	Manufacturing Process	Past Due							
LOA	Process Improvement	Manufacturing Process	Past Due								
Substation	Manufacturing Process	Past Due									
Past Expiry Date	Past Due										
Misidentified											

SPECIFICATION CONTROL DRAWING

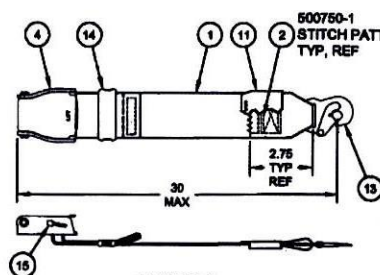


D4387-7

D4387-5



D4387-3



D4387-1

D4387-041 HARNESS ASSEMBLY

ITEM	QTY -041	QTY -1	QTY -3	QTY -5	QTY -7	DART P/N	DESCRIPTION	AMSAFE P/N OR MATERIAL P/N
	X					D4387-041	HARNESS ASSEMBLY	4192-1-021-2396
1	X					D4387-1	BUCKLE HALF	4192-2010212396
1		X				D4387-3	CONNECTOR HALF	4192-2030212396
1			X			D4387-5	SHOULDER STRAP	4192-2060212396
1				X		D4387-7	SHOULDER STRAP	4192-2060212396
1	A/R	A/R	A/R	A/R	A/R		WEBBING, POLYESTER	T1200-5
2	A/R	A/R	A/R	A/R	A/R		THREAD	207
3	A/R	A/R	A/R	A/R	A/R		THREAD	69
4	1						BUCKLE ASSY	502750-401
5		1					CONNECTOR ASSY	504459-417-72
6			1	1			ADJUSTER ASSY	503050-408
7			1	1			PULL TAB	500878-425
8				1			ADAPTER, HARNESS	505122-1-72
9			1				ADAPTER, HARNESS	505122-1-72
10			1	1			INSERT	AFG0568283
11	1	1					LABEL	447664
12			1	1			LABEL	447664
13	1	1					HOOK ASSY	502737-441-72
14	1	1	1	1			WEB SLIDE	503964-1
15	2	2					PLUG	502913

NOTES:

- 1) PURCHASE: D4387-041/-1/-3/-5/-7 FROM AMSAFE INC., Phoenix, AZ.
- 2) FINISH: N/A
- 3) TOLERANCES: .XX $\pm$ 0.25
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.607 TO CONTAIN THE FOLLOWING AT MINIMUM:
MANUFACTURER P/N: 4192-1-021-2396
CUSTOMER P/N: D4387-041
RATED: 3000 LBS DATE OF MFG
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 1.75 lb
- 8) INDICATED DIMS ARE FULLY EXTENDED LENGTHS

RELEASED
2013-04-02

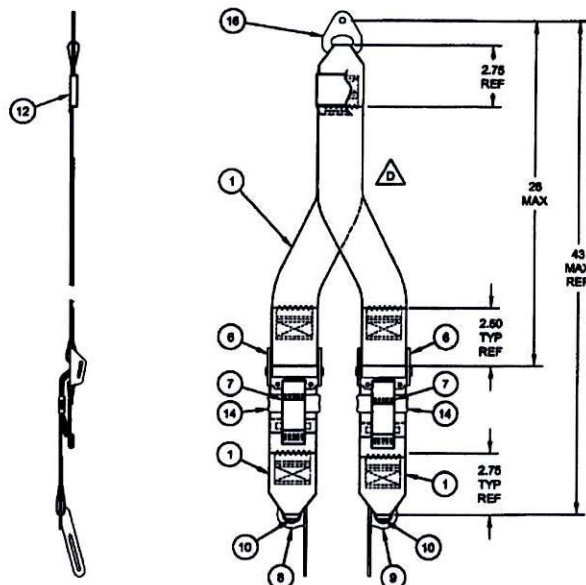
D	DELETED STITCHING - PICTORIAL CHANGE ONLY (ZN D6-2) AS PER NCR13-2237	SFM	13.01.23
C	16 MAX WAS 10 MAX. 17 MAX WAS 23 MAX. 30 MAX WAS 24 MAX (4 PL). 26 MAX WAS 20 MAX UPDATE AMSAFE PART NUMBERS.	RP	12.05.01
B	3.000 TYP WAS 2.000 TYP (ZN D6-1) (REF. NCR11-644)	MB	11.06.07
A	NEW ISSUE (REF. CAR10-011)	MB	11.05.02
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	SFM		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	13.01.23		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

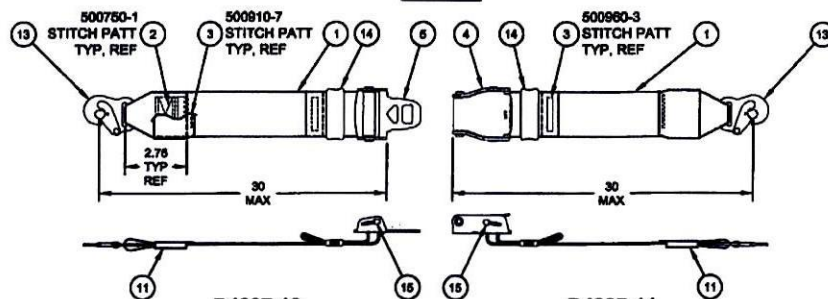
DRAWING NO. DSC-D4387
TITLE HARNESS ASSEMBLY
REV. D
SHEET 1 OF 2
SCALE NTS

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SPECIFICATION CONTROL DRAWING



D4387-9



D4387-13

D4387-11

D4387-043 HARNESS ASSEMBLY

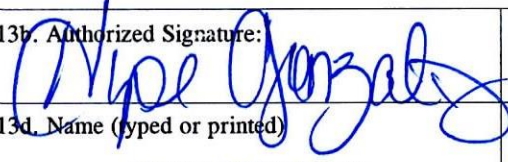
ITEM	QTY -043	QTY -9	QTY -11	QTY -13	DART P/N	DESCRIPTION	AMSAFE P/N OR MATERIAL P/N
	X				D4387-043	HARNESS ASSEMBLY	4173-2-031-2396
1		X			D4387-9	SHOULDER STRAP	4173-2110312396
1			X		D4387-11	BUCKLE HALF	4173-2070312396
1				X	D4387-13	CONNECTOR HALF	4173-2090312396
1		A/R	A/R	A/R		WEBBING, POLYESTER	T1200-5
2		A/R	A/R	A/R		THREAD	207
3		A/R	A/R	A/R		THREAD	99
4				1		BUCKLE ASSY	502750-401
5				1		CONNECTOR ASSY	504459-417-72
6		2				ADJUSTER ASSY	503050-409
7		2				PULL TAB	500976-425
8		1				ADAPTER, HARNESS	505122-2-72
9		1				ADAPTER, HARNESS	505122-1-72
10		2				INSERT	AFG0568293
11			1	1		LABEL	447684
12		1				LABEL	447684
13		2	1	1		HOOK ASSY	502737-441-72
14			1	1		WEB SLIDE	503964-1
15			2	2		PLUG	502913
16		1				END FITTING	501743-21-72

NOTES:

- 1) PURCHASE: D4387-043/-9/-11/-13 FROM AMSAFE INC., Phoenix, AZ.
- 2) FINISH: N/A
- 3) TOLERANCES: .XX ±0.25
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: USE PLASTIC ENGRAVED TAGS AND LABEL PER FAR 21.807 TO CONTAIN THE FOLLOWING AT MINIMUM:
MANUFACTURER P/N: 4173-2-031-2396
CUSTOMER P/N: D4387-043
RATED: 3000 LBS DATE OF MANUFACTURE
CONFORMS TO FAA TSO-C114
- 7) WEIGHT: 1.85 lb
- 8) INDICATED DIMS ARE FULLY EXTENDED LENGTHS

RELEASED
2013-04-02

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	SPM	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. D
MFG. APPR.		DSC-D4387	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		HARNESS ASSEMBLY	NTS
DATE	13.01.23	COPYRIGHT © 2011 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE UNDERSTANDING THAT IT IS NOT TO BE USED FOR ANY PURPOSES OR COPIED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: S373459 - 7 - <i>HG</i>	
4. Organization Name and Address: AmSafe, Inc. 1043 North 47th Avenue Phoenix, Arizona 85043				5. Work order/Contract/Invoice Number: S373459 - 7 <i>0</i> PAGES ATTACHED		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	REST SYS ASSY WO/IR	4173-2-031-2396	8	<i>N/A</i>	NEW	
12. Remarks: Drawing: 4173 Rev: F TSO: TSO-C114 DATE CODE: <i>A1217</i> 						
13a. Certifies the items identified above were manufactured in conformity to: ☒ Approved design data and are in a condition for safe operation ☐ Non-approved design data specified in Block 12.			14a. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13b. Authorized Signature: 		13c. Approval/Authorization No.: ODA602112NM		14b. Authorized Signature		
13d. Name (typed or printed): HOPE GONZALEZ		13e. Date (dd/mm/yyyy): <i>12/JAN/2018</i>		14c. Authorized/Certificate No.		
				14d. Names (typed or printed)		
				14e. Date (dd/mm/yyyy):		
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.						



- *Conforms to all applicable drawing dimensions and specifications.
- *(If applicable) Meets the requirements of FAR 25.853 (a) Compartment Interiors.
- *(If applicable) Conforms to British CAA specifications.
- *(If applicable) All parts/materials are certified new, conform to the design data, and are in airworthy condition.
- *Meets all the requirements of TSO-C114.
- *The parts/materials reflected herein were produced under a FAA approved Manufacturing and Quality Assurance system/methods as set in FAR Part 21 Sub-Part O, Para. 21.601.
- *The conditions and tests required for TSO approval of this article are minimum performance standards.
- *It is the responsibility of those installing this article either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the TSO standard.
- *TSO articles must have separate approval for installation in an aircraft. The article may be installed only if performed under 14 CFR part 43 or applicable airworthiness requirements.
- *For the latest copy of the CMM/SMM, please log onto www.amsafeaviation.com

CUSTOMER NAME:	DART AEROSPACE	SALES ORDER NO.	S373459
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Line	Purchase Order No.	Am-safe Part No.	Rev.	Lot No.	Customer Part No.	Dated Code	Quantity
7	PO038566	4173-2-031-2396	F	N/A	NONE	A1217	8

This document is the property of the customer and should remain with the articles listed above.
PLEASE DELIVER TO THE QUALITY ASSURANCE DEPARTMENT

NEW

AMSAFE INC
1043 NORTH 47th. AVENUE
PHOENIX, ARIZONA 85043 USA
PHONE: (602) 850-2850 FAX:(602) 850-2812



 QUALITY ASSURANCE REPRESENTATIVE

01-11-18

 DATE

CUSTOMER